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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **Jon A. Wolff, Sean D. Monahan, James E. Hagstrom, Paul M. Slattum, Vladimir G. Budker, and David B. Rozema**)
Serial No.: **09/312,351**)
Filed: **5/14/99**)
Group Art Unit: **1632**)
Examiner: **Richard Schnizer**

For: **A Compound Containing a Labile Disulfide Bond**

AMENDMENT UNDER 37 C.F.R. §1.111

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Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated September 20, 2000:

In the Claims:

Please amend claims 7, 8, 12 and 18 as follows:

sub c 7) A compound for inserting into an organism, comprising: the compound having a disulfide bond that is labile under physiologic conditions selected from the group consisting of (a) a disulfide bond that is cleaved more rapidly than oxidized glutathione and (b) a disulfide bond constructed from thiols in which one of the constituent thiols has a lower pKa than glutathione and (c) a disulfide bond that is activated by intramolecular attack from a free thiol thereby forming two molecules.

8) The compound of claim 7 wherein the compound comprises an amphipathic molecule [compound].